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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/083,064	02/26/2002	Kenneth James Aubuchon	1755SPRI.90848	4650
32423 7590 04/30/2008 SPRINT COMMUNICATIONS COMPANY L.P. 6391 SPRINT PARKWAY KSOPHT0101-Z2100 OVERLAND PARK, KS 66251-2100				
EXAMINER				
ARAUJO, CARLOS R				
ART UNIT		PAPER NUMBER		
2614				
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04/30/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary**Application No.**

10/083,064

Applicant(s)

AUBUCHON ET AL.

Examiner

CARLOS R. ARAUJO

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 26 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- Paper No(s)/Mail Date _____

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

1. Claim 9 objected to because of the following informality: Line 3, the word "demands" should be change to commands. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-32 are rejected under 35 U.S.C. 102(e) as being anticipated by Doleac et al (US 6,668,053).

Consider claims 1, 8, 15 and 22, Doleac discloses method for use in a network computer environment for implementing a business requirement, the network computer environment including at least one computing device (**see col.1 lines 55-58 and col. 3 lines 29-31, provision and change service is an implementation of a business requirement executed in a computer system**); separating logic necessary to configure the computing device from the business

requirement (**see fig 1 and col.4 lines 26-34, the business requirements are generated in the provisioning systems 1 and 2 and executed, implemented, in the switches included in the PSTN system therefore separation of logic is shown**); and conveying the computer device logic to the computer device so that the computer device is able to implement the business requirement (**see fig 1 and col.5 lines 7-19, the front end server, item 24, forwards the commands to the switches therefore the computer device, provisioning system, logic is convey to the computer device, switches, to implement the business logic, the change in service**).

Consider claims 29 and 30, Doleac discloses a method in a computer system for taking a business requirement and separating out logic that is specific to computing devices that are connected to the computer system (**see col.3 lines 29-31, the change in service is a business requirement. See col.3 lines 26-34 and lines 34-36, the provisioning systems and the switches in the PSTN are computing devices running independent logic**); determining for each type of computing device the appropriate tables within the computing device that will need to be modified (**see col.5 lines 7-19, the switches are included in the PSTN network with different memory sizes and their own particular command set therefore a variety of different computing devices; col.2 lines 19-22, output the switch commands for this particular subscriber to enable service on a particular date therefore modifying the routing tables in the switch to provide the service to said subscriber**); determining the

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appropriate commands needed to populate the previously determined computing device tables **(see col.1 lines 66, 67 and col.2 lines 1-3)**; and conveying said commands to the corresponding computer devices **(see col.4 lines 22-25, the front end server forward the commands to the switches, computing devices)**.

Consider claim 31, Doleac discloses a method in a computing environment for utilizing business logic to generate command logic for a computing device **(see col.1 lines 66 and 67, system for generating switch commands for a service change therefore business logic in the form of services that need to be modified or add in a switch, computing device)**; receiving a plurality of data and one or more services to be performed by the computing device **(see col.2 lines 1-3, the switch receives plurality of data the data)**; identifying one or more tables that need to be populated based on each of the services **(see abstract)**; building a command that is specific to each of the services, by grouping and ordering said received data into delimited fields **(see abstract lines 1-4 and figs 17A and 17B)**; and inserting said command into said tables **(see col.4 lines 26-34, provision, modifying and delete services therefore inserting commands in the tables)**.

Consider claim 32, Doleac discloses a system for building commands for a computing device to instruct the computing device on performing a task, wherein the computing device functions by having one or more tables loaded with data

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(see abstract, the switch is the computing device having multiple tables loaded with data to modify or provision telephone service); a service interpreter component for receiving a plurality of data and a service identification **(see col.3 lines 31-39, the order and inventory system are the service interpreter component that receive the data and service identification)**, wherein said service identification corresponds to the task to be performed by the computing device **(see col.3 lines 39-49, the work order generated by the order and inventory system is then input into the provisioning system and translated into a specific service for the customer therefore the task to be performed by the switch, computing device)** , wherein said data is manipulated specifically for the computing device, and wherein said service identification is used to identify the tables that need to be loaded with said data **(see col.1 lines 55-67, the switch is the computing device and in order to produce a service change in said switch, col.1 line 67, specific data has to be loaded in an specific table, see tables fig 17a and 17b)**; a command component for building an ordered text string of fields for the table, said text string representing a row entry in the table **(see fig 27b)**; at least one command builder component to build a command, said command builder component existing for each of the tables in the computing device, said command builder component adapted to build a command appropriate to a received service identifier by invoking said command component **(see col.28 lines 53-67)**; and a command factory component adapted to receive the identified tables and provide a pointer to said command builder component **(see col.25 lines 17-49)**.

Consider claims 2, 9, 16 and 23, Doleac discloses generating commands for enabling the computing device to implement the business requirement, said commands being based upon the separated computing device logic (**see col.1 lines 66, 67 and col.2 line 11, switch dependent therefore the commands are based upon separated computing device logic**).

Consider claims 3, 10, 17 and 24, Doleac discloses determining said business requirement based upon information from a user interface and further based upon information about the current state of the network computer environment (**see col.3 lines 29-39**).

Consider claims 4, 11, 17 and 25, Doleac discloses wherein said network computing environment is a telecommunications network, and said computing device is a telecommunications switch (**see abstract**).

Consider claim 5, 12, 19 and 26, Doleac discloses wherein said computing device includes one or more data tables which determine the operation of said computing device (**see fig 17a and 17b**).

Consider claim 6, 13, 20 and 27, Doleac discloses determining the tables that need to be modified in the computing device based upon said business requirement; and generating one or more commands which allow said computing

device tables to be modified to put into effect the business requirement (**see col.6 lines 44-67**).

Consider claim 7, 14, 21 and 28, Doleac discloses wherein said network computer environment includes a plurality of computing devices, and wherein said computing devices are of various types, each type requiring different logic in order to accomplish the business requirement (**see col.4 lines 26-34**); determining commands that are specific to each type of computing device based upon the business requirement; and communicating said commands to said computing devices (**see col.4 lines 1-22**).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to CARLOS R. ARAUJO whose telephone number is (571)270-5151. The examiner can normally be reached on Monday thru Thursday 8:00am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on 571-272-7547. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Fan Tsang/
Supervisory Patent Examiner, Art Unit 2614

C.R.A
/Carlos R Araujo/
Examiner, Art Unit 2614
4/25/2008